

**METHOD FOR DETECTING A SHORTED PRINthead
IN A PRINTER HAVING AT LEAST TWO PRINHEADS**

ABSTRACT

- A calibration resistor and a capacitance load are placed in parallel across
- 5 the output of a voltage source and a first decay time is determined for the voltage to reach a second voltage from a first voltage after the voltage source is disconnected.
- With the calibration resistor electrically removed, N prinheads of a printer and the
- 10 capacitance load are placed in parallel across the voltage source output. In a first example, the voltage across the capacitance load at a second decay time, which is shorter than the first decay time, is determined and indicates at least one possibly shorted printhead when less than the second voltage. In a second example, the voltage across the capacitance load at the first decay time is determined and indicates at least one possibly shorted printhead when less than a third voltage which is less than the second voltage.

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